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M/EB 246/64
8 May 1964
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MEMORANDUM FOR: Chief, General Sciences Division, OSI

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ATTENTION:

THROUGH:

Chief, Requirements Branch, Reconnaissance Group, CGS

FROM:

Chief, CIA/PID (NPIC)

SUBJECT:

Tabulation of Interferometer Phase Measuring Sites
in the USSR

REFERENCES:

- (a) Requirement C-SI-4-81,326
- (b) CIA/PID Project C 699-64

1. This memorandum is in response to your requirement dated 21 April 1964 requesting a listing of all interferometer type sites in the USSR identified on photography.

2. The enclosed attachment lists these sites by location, functional association, shape and referenced document. Those sites so indicated by an asterisk (*) are considered to be a typical site configuration. They consist of a plus within a 1,000-foot diameter circle. The other sites consist of varying length base lines at right angles without a delineating circle. Those sites with the double asterisk (**) have had the base lines lengthened to approximately 1,000 feet. These are found only at Sary Shagan.

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3. The photo analyst on this project [redacted] may be contacted [redacted] should you have any further questions concerning this project.

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4. This project is considered to be complete.

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Enclosures:

1 - Table of Sites

DECLASS REVIEW BY NIMA / DoD

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GROUP 1
Excluded from automatic
downgrading and
declassification

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Attachment 1.

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List of Sites

<u>Tyura Tam Missile Test Center</u>	<u>Shape</u>	<u>Size of Leg Overall (feet)</u>	<u>Remarks</u>	<u>NPIC Reports</u>
Launch Complex A (3 sites)	45-54N 63-20E *plus modified plus plus	400 1200 x 600 1200	Abandoned 1963 West of A-2 West of A-2	R-227/63 R-1033/62 R-315/63 R-235/64
Launch Complex C	45-57N 63-39E large plus	2300	Identical to site north of Area 1 C, Kapustin Yar	JR-8/61
Launch Complex D	46-00N 63-59E L	1200	Identical to site at Complex H, Tyura Tam	R-265/64
Launch Complex E	45-57N 63-12E modified plus	1200 x 720	See: deployed soft SS-8 ICBM sites	R-315/63
Launch Complex F	46-02N 63-06E plus	1200	prototype of hard SS-8 sites	R-314/63
Launch Complex G	46-04N 62-56E modified plus	2500 x 1230		R-85/63
Launch Complex H	45-58N 63-41E L	1200	Identical to site at Launch Complex D, Tyura Tam	R-204/63 R-265/64

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Attachment 1

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List of Sites

<u>Tyura Tam Mid-Range Instrumentation</u>		<u>Shape</u>	<u>Size of Leg Overall (feet)</u>	<u>Remarks</u>	<u>NPIC Reports</u>
Station C 08 B	50-14N 65-10E	*plus	400	Only circle visible Only circle visible Only circle visible	R-65/64
Station C 08 C	48-10N 68-33E	*prob. plus			R-65/64
Station C 09 B	51-53N 67-20E	*prob. plus			R-65/64
Station C 12 E	50-17N 71-44E	*prob. plus			R-65/64
<u>Tyura Tam Terminal Range (Kamchatka Peninsula)</u>					
Instrumentation Site A (Uka)	57-56N 162-01E	*plus	400	}	R-215/64 R-1440/63
Instrumentation Site B (Yelovka)	56-52N 161-19E	*plus	400		R-1033/62 JR 4/58
<u>Kapustin Yar Missile Test Center</u>					
Launch Complex C (center)	48-37N 46-16E	*plus	400	}	R-1033 R-8/61
Lake Elton (north)	49-10N 46-52E	*plus	400		R-84/63
Verkhniy Baskunchak (south)	48-12N 46-12E	*plus	400		R-84/63
North of Area K, Complex C		large plus	2300		R-84/63
				Identical to site north of Complex C, Tyura Tam	

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Attachment 1.

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List of Sites

Sary Shagan Anti-Missile
Test Center (Kapustin Yar
1051 Impact Area)Size of Leg
Overall
(feet)

Shape

Remarks

NPIC
Reports

Instrumentation Site 1	See portion on FLIM FLAM sites				
Instrumentation Site 3	45-40N 72-34E	*plus	**1000		
Instrumentation Site 4	45-58N 72-16E	*plus	**1000		
Instrumentation Site 5	45-51N 71-23E	*plus	**1000		
Instrumentation Site 6	46-15N 70-58E	*plus	**1000		R-1033/62
Instrumentation Site 7	46-36N 70-50E	*plus	**1000		
Instrumentation Site 8	46-54N 70-55E	*plus	**1000		R-61/64
Instrumentation Site 9	46-50N 71-55E	*plus	1000		
Instrumentation Site 11	46-39N 72-37E	*plus	**1000		
Instrumentation Site 12	46-24N 72-34E	*plus	500		
Instrumentation Site 14	47-07N 69-10E	*plus	1000		
Instrumentation Site 15	47-28N 67-28E	*plus	1000		

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Interferometers at FLIM FLAM Sites

Sary Shagan Instrument Site 1	45-53N 73-37E	*plus	400		R-69/64
Simferopol	45-03N 33-53E	plus	1125		R-69/64
Yeniseysk	58-27N 92-16E	*plus	400		R-69/64
Khutov	53-05N 158-20E	*plus	400		R-1033/62, R-69/64

Deployed SS-8 ICBM Launch Sites
(Type II C)

Kozelsk Launch Area A	53-54N 35-44E	plus	1800	Diagonal of Clearing	R-314/63, R-245/64
Kozelsk Launch Area B	53-48N 35-47E	plus	1800	Diagonal of Clearing	R-314/63, R-245/64
Kozelsk Launch Area D	53-54N 35-51E	plus	1800	Diagonal of Clearing	R-314/63, R-245/64
Plesetsk Launch Area D	62-53N 40-50E	plus	1200		R-314/63
Plesetsk Launch Area E	62-50N 40-35E	plus	1200		R-314/63
Tyumen Launch Area A	56-52N 65-35E	plus	1300		R-314/63
Tyumen Launch Area C	56-51N 65-28E	plus	1300		R-314/63

Other Sites

Makat Field Launch Site	47-55N 53-47E	*plus			JR-4/61
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*Typical site signature, plus within 1000-foot diameter circle.

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**Plus lengthened to limits of circle.

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